

ABSTRACT OF THE DISCLOSURE

A modular prosthesis for replacement of hip joints has a shaft that fits into the femur canal to replace a previous prosthesis, which is made up of sections aligned and held on a cylinder that extends through the sections. In this matter, the length of the shaft can be changed to insure that the shaft will be aligned with bone sections that have not been damaged from the previous prosthesis. The shaft includes a shoulder segment adjacent the proximal end of the femur to attach to ball or head prosthesis using tension carrying screws or elements.